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NOTICE OF ALLOWANCE AND FEE(S) DUE

28440 7590 01/24/2011

WARNER, NORCROSS & JUDD
IN RE: ALTICOR INC.
INTELLECTUAL PROPERTY GROUP
111 LYON STREET, N. W. STE 900
GRAND RAPIDS, MI 49503-2489

EXAMINER

WENDELL, ANDREW

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 01/24/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/539,062

04/11/2006

Pilgrim G.W Beart

120270.129223

4275

TITLE OF INVENTION: ADAPTING PORTABLE ELECTRICAL DEVICES TO RECEIVE POWER WIRELESSLY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/25/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/539,062 04/11/2006 Pilgrim G.W Beart 120270.129223 4275

TITLE OF INVENTION: ADAPTING PORTABLE ELECTRICAL DEVICES TO RECEIVE POWER WIRELESSLY

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nonprovisional NO \$1510 \$300 \$0 \$1810 04/25/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
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WENDELL, ANDREW 2618 455-041200

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 219 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 219 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/539,062

Applicant(s)

BEART ET AL.

Examiner

Art Unit

ANDREW WENDELL

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/16/2010.
2. ☒ The allowed claim(s) is/are 1-3,6,7,11-15,19-31,38,39,43,52-59,63 and 64.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: Regarding claim 1, Kikinis teaches power receiving apparatus for use with a portable electrical device having a battery compartment adapted to contain a battery 15 (Figs. 3 and 6) for supplying power to the portable electronic device, to enable the device to receive power wirelessly, the apparatus comprising a power-receiving element 98 (Fig. 18) adapted to be attached to the device 10 (Fig. 18), and also adapted to receive power wirelessly from a transmitter of power when the element and the transmitter are in proximity with one another (Page 11 line 28-Page 12 line 4 and Page 33 lines 4-15); and one or more power connectors which, when the apparatus is in use, are connected electrically to the power-receiving element and are adapted to be connected to one or more corresponding power connectors of the portable electrical device to deliver power received by the element to the portable electronic device (Page 11 line 28-Page 12 line 4 and Page 33 lines 4-15).

Mickle teaches an inductive power-receiving element 100 (Fig. 1) adapted to be applied to the inside of the device 4 (Fig. 1), the inductive power-receiving element adapted to receive power wirelessly 30 (Fig. 1) by electromagnetic induction from a transmitter 2 (Fig. 1) of power when the element and transmitter are in proximity with one another (Section 0030).

Art Unit: 2618

Dayan teaches a power-receiving element for use with a separate device that is not able on its own to receive power wirelessly 118 (Figure 9 and 10 and Col. 8 lines 17-33).

However, the prior art fails to teach inductive power receiving apparatus for use with a separate portable electronic device having a battery for supplying power to the portable electronic device, wherein the portable electronic device is not able on its own to receive power wirelessly by electromagnetic induction, and wherein the inductive power receiving apparatus enables the portable electronic device to receive power wirelessly by electromagnetic induction, the inductive power receiving apparatus comprising a cover adapted to be fitted to the separate portable electronic device, wherein the cover extends over a side of the portable electronic device to form an extension portion, wherein the cover covers at least a portion of the rear of the separate portable electronic device; an inductive power-receiving element incorporated within or applied to a face of the cover, the inductive power-receiving element adapted to receive power wirelessly by electromagnetic induction from a transmitter of power when the element and the transmitter are in proximity with one another; and one or more inductive power-receiving apparatus power connectors which, when the apparatus is in use, are connected electrically to the inductive power-receiving element and adapted to be connected to one or more corresponding power connectors of the portable electronic device to deliver power received by the element to the portable electronic device, the one or more inductive power-receiving apparatus power connectors being carried by the extension portion wherein the extension portion allows the inductive power-receiving

Art Unit: 2618

apparatus power connectors to connect electrically to the power connectors of the portable electronic device.

Further, applicant's remarks filed on 6/16/2010 on page 19 first paragraph state reasons for allowance too.

The prior art of record fails to teach the claimed subject matter as claimed and substantially connected in claims 1-3, 6-7, 11-15, 19-22, 24-27, 39, 43, and 53.

Regarding claim 28, the prior art of record, Kikinis teaches a power-receiving element 98 (Fig. 18) in the form of a sticker (obvious that the power receiver element must be secured to the device by a sticker, screws, fasteners, etc.) adapted to be attached adhesively to a surface portion of a portable electrical device 10 (Fig. 18), the element being adapted to receive power wirelessly from a transmitter of power when the element and transmitter are in proximity with one another, and having an electrical connection from which an electrical connection can be made to a power connector of the device (Page 11 line 28-Page 12 line 4 and Page 33 lines 4-15).

Mickle teaches an inductive power-receiving element 100 (Fig. 1) adapted to be attached adhesively to a surface portion of a portable electrical device 4 (Fig. 1), the element being adapted to receive power wirelessly by electromagnetic induction 30 (Fig. 1) from a transmitter of power 2 (Fig. 1) when the element and transmitter are in proximity with one another (Section 0030).

Dayan teaches a power-receiving element for use with a separate device that is not able on its own to receive power wirelessly 118 (Figure 9 and 10 and Col. 8 lines 17-33), wherein the adhesive attachment between the power-receiving element 118

Art Unit: 2618

(Fig. 9 and 10) and the portable electrical device 112 (Fig. 9 and 10) is separate from the electrical connection 126 (Fig. 9 and 10).

The prior art of record fails to teach inductive power receiving apparatus for use with a separate portable electronic device having a battery compartment adapted to contain a battery for supplying power to the portable electronic device, wherein the portable electronic device includes a mechanical structure capable of releasably attaching a conventional battery compartment cover to the portable electronic device with one or more mechanical connectors, wherein the portable electronic device is not able on its own to receive power wirelessly by electromagnetic induction, and wherein the inductive power receiving apparatus enables the portable electronic device to receive power wirelessly by electromagnetic induction, the inductive power receiving apparatus comprising a replacement cover adapted to mechanically interact with the mechanical structure of the portable electronic device to releasably attach the inductive power receiving apparatus to the portable electronic device; an inductive power-receiving element incorporated within or applied to a face of the replacement cover, the inductive power-receiving element adapted to receive power wirelessly by electromagnetic induction from a transmitter of power when the element and the transmitter are in proximity with one another; and one or more inductive power-receiving apparatus power connectors which, when the apparatus is in use, are connected electrically to the inductive power-receiving element and adapted to be connected to one or more corresponding power connectors of the portable electronic device to deliver power received by the element to the portable electronic device; wherein the inductive

Art Unit: 2618

power-receiving apparatus is configured to replace the conventional battery compartment cover of the portable electronic device such that the portable electronic device that is not able on its own to receive power wirelessly by electromagnetic induction is transformed into a portable electronic device that is able to receive power wirelessly by electromagnetic induction.

Further, applicant's remarks filed on 6/16/2010 on page 19 second paragraph till end of page 20 state reasons for allowance too.

The prior art of record fails to teach the claimed subject matter as claimed and substantially connected in claims 28, 30-32, 52, and 63.

Regarding claim 38, method claim 38 is allowed for the same reason as apparatus claim 1.

The prior art of record fails to teach the claimed subject matter as claimed and substantially connected in claims 38 and 64.

Regarding claim 54, apparatus claim 54 is allowed for the same reason as apparatus claims 28 and 38.

The prior art of record fails to teach the claimed subject matter as claimed and substantially connected in claims 54-59.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lee discloses a wireless battery charging of electronic devices such as wireless headsets. Calhoon discloses an inductive power adapter. Shively discloses a wireless phone powered inductive loopset. Bruning discloses a system for charging user to recharge portable devices. Brockmann discloses a power supply arrangement and inductively coupled battery charger with wirelessly coupled control. Cook discloses a system for powering an electronic device via a wireless link. Parise discloses a remote power recharge for electronic equipment. Vega discloses a wireless electrostatic charging system. Bruning ('001) discloses a wireless battery charging. Chung discloses a contactless battery charging device. Randall discloses a device cover with embedded power receiver.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANDREW WENDELL whose telephone number is (571)272-0557. The examiner can normally be reached on 8:00-5:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2618

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Andrew Wendell/
Primary Examiner, Art Unit 2618

1/15/2011